

Journal of

Neurology

Zeitschrift für Neurologie

Vol. 214 - 1976/1977

Editors

M. Alter Philadelphia · **H. Bauer** Göttingen · **P. Castaigne** Paris
C. Fazio Roma · **E. J. Field** Newcastle upon Tyne
H. C. Hopf Mainz · **J. A. Kappers** Amsterdam
A. Lowenthal Antwerpen · **S. Refsum** Oslo · **H. Reisner** Wien
G. Schaltenbrand Würzburg · **K. Schürmann** Mainz
W. Tönnis Köln · **K. J. Zülch** Köln
M. Mumenthaler Bern (Editor-in-Chief)

Advisory Board

R. Ch. Behrend Hamburg · **T. Broman** Göteborg
J. A. N. Corsellis Wickford · **O. Creutzfeldt** Göttingen
H. vander Eecken Gent · **R. A. Frowein** Köln
J. Hausmanowa-Petrusewicz Warszawa · **A. Hopf** Düsseldorf
W. Kahle Frankfurt a. M. · **H. H. Kornhuber** Ulm
H. Kuhlendahl Düsseldorf · **Y. Kuroiwa** Fukuoka
F. L. McNaughton Montreal · **H. Narabayashi** Tokyo
E. Niedermeyer Baltimore · **H. W. Pia** Giessen
K. Poeck Aachen · **G. Quadbeck** Heidelberg · **U. K. Rinne** Turku
W. Schieffer Erlangen · **L. Symon** London · **R. F. Schmidt** Kiel
W. Wechsler Köln · **S. Wende** Mainz
M. Wiesendanger Fribourg · **W. Zeman** Lahnstein



Springer International

Journal of Neurology Zeitschrift für Neurologie

Vol. 1—197: Deutsche Zeitschrift für Nervenheilkunde. Founded in 1891 by W. Erb, L. Lichtheim, Fr. Schultze and A. Strümpell, edited by W. Erb, L. Lichtheim, Fr. Schultze, A. Strümpell, M. Nonne, V. v. Weizsäcker, H. Pette, H. Spatz, P. Vogel et al.

Vol. 198—206 (1970—1974): Zeitschrift für Neurologie — Journal of Neurology
Vol. 1—152 Leipzig and Berlin, F. C. W. Vogel, from Vol. 153 (1942) Berlin, Springer.

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions, also in microform, is transferred to the publisher.

The use of registered names, trademarks, etc. in this publication does not imply, even in the absence of a specific statement, that such names are exempt from the relevant protective laws and regulations and therefore free for general use.

Springer-Verlag Berlin Heidelberg New York

Printed in Germany by J. P. Peter, Gebr. Holstein, Rothenburg o. d. Tbr.

© by Springer-Verlag Berlin Heidelberg 1976/1977

Contents

Editorial

Mennel, H. D., s. Zülch, K. J.	241
Zülch, K. J., Mennel, H. D.: New Aspects of Brain Tumor Research	241

Surveys of Progress

Angelini, C.: Lipid Storage Myopathies. A Review of Metabolic Defect and of Treatment	1
Huber, W., s. Stachowiak, F.-J., et al.	75
Kerschensteiner, M., s. Stachowiak, F.-J., et al.	75
Poeck, K., s. Stachowiak, F.-J., et al.	75
Stachowiak, F.-J., Huber, W., Kerschensteiner, M., Poeck, K., Weniger, D.: Die globale Aphasie. Klinisches Bild und Überlegungen zur neurolinguistischen Struktur	75
Weniger, D., s. Stachowiak, F.-J., et al.	75

Original Investigations and Short Communications

Altenkirch, H., Mager, J., Stoltenburg, G., Helmbrecht, J.: Toxic Polyneuropathies after Sniffing a Glue Thinner	137
Alter, M., s. Soffer, D., et al.	89
Anderson, M.: Probable Thomsen's Disease with Cardiac Involvement. Case Report	301
Bauer, H., s. Eickhoff, K., et al.	207
Baumli, H.-P., Mumenthaler, M.: The Perifascicular Atrophy Factor. An Aid in the Histological Diagnosis of Polymyositis	129
Beringer, U., Mumenthaler, M., Zala, L.: The Sjögren-Larsson Syndrome. A Case Report	217
Bohl, J., Fenske, A., Reulen, H. J., Schindler, E.: Giant Aneurysm of the Vertebral Artery Causing Compression of the Lower Medulla Oblongata	289
Delmotte, P., s. Gonsette, R. E., et al.	173
Demonty, L., s. Gonsette, R. E., et al.	173
Dommasch, D., Grüninger, W., Schultze, B.: Autoradiographic Demonstration of Pro- liferating Cells in Cerebrospinal Fluid	97
Dreyer, R., Wehmeyer, W.: Fits of Laughter (Gelastie Epilepsy) with a Tumour of the Floor of the Third Ventricle. A Video Tape Analysis	163
Druschky, K.-F., s. Flügel, K. A.	267
Eickhoff, K., Wikström, J., Poser, S., Bauer, H.: Protein Profile of Cerebrospinal Fluid in Multiple Sclerosis with Special Reference to the Function of the Blood Brain Barrier	207
Fenske, A., s. Bohl, J., et al.	289
Field, E. J., Joyce, G., Smith, B. M.: Erythrocyte-UFA (Eufa) Mobility Test for Multiple Sclerosis: Implications for Pathogenesis and Handling of the Disease	113
Florescu, A., s. Vasilescu, C.	305
Flügel, K. A., Druschky, K.-F.: Electromyogram and Nerve Conduction in Patients with Acute Intermittent Porphyria	267
Gonsette, R. E., Demonty, L., Delmotte, P.: Intensive Immunosuppression with Cyclo- phosphamide in Multiple Sclerosis. Follow up of 110 Patients for 2—6 Years	173
Grüninger, W., s. Dommasch, D., et al.	97
Haller, P.: Hereditary Abductor — Opponens Agenesis. Report of a Family with Con- genital Muscle Defects of the Thenar Eminence	235
Heipertz, R., Klauke, W., Pilz, H., Ritter, G.: Serum Fatty Acids in Multiple Sclerosis	153
Helmbrecht, J., s. Altenkirch, H., et al.	137
Hertel, G., s. Ricker, K.	35
Hertel, G., Ricker, K., Hirsch, A.: The Regional Curare Test in Myasthenia Gravis	257
Heuser, M.: The Oculoauricular Phenomenon and Inspiratory Innervation of the M. retro- auricularis as a Phylogenetic Relict of the Ultrasonic Orientation of Bats (Chiroptera)	225
Hirsch, A., s. Hertel, G., et al.	257

Jellinger, K.: Cerebrovascular Amyloidosis with Cerebral Hemorrhage	195
Jenssen, H. L., Meyer-Rienecker, H. J., Werner, H.: Nachweis eines Faktors mit elektro- phoretischer Zellmobilitätshemmung im Liquor cerebrospinalis bei Multipler Sklerose	45
Jerusalem, F., s. Tosi, C.	13
Jones, J. N.: Unique Presentation of a Metastatic Adenocarcinoma Diagnosed Pre- Operatively by C. T. Scan	229
Joyce, G., s. Field, E. J., et al.	113
Kahana, E., s. Soffer, D., et al.	89
Kayser-Gatchalian, M. C., Neundörfer, B.: Peripheral Neuropathy with Vitamin B ₁₂ Deficiency	183
Klauke, W., s. Heipertz, R., et al.	153
Ludin, H. P., s. Mamoli, B.	251
Mager, J., s. Altenkirch, H., et al.	137
Mamoli, B., Ludin, H. P.: Electrophysiological Investigations in a Case of Cephalic Tetanus	251
Meyer-Rienecker, H. J., s. Jenssen, H. L., et al.	45
Mumenthaler, M., s. Baumli, H.-P.	129
Mumenthaler, M., s. Beringer, U., et al.	217
Neundörfer, B., s. Kayser-Gatchalian, M. C.	183
Niebrój-Dobosz, I.: Erythrocyte Ghosts (Na ⁺ + K ⁺) ATPase Activity in Duchenne's Dystrophy and Myotonia	61
Pilz, H., s. Heipertz, R., et al.	153
Pilz, P.: Dissezierendes Aneurysma der Arteria cerebri anterior und Guillain-Barré- Syndrom in der Schwangerschaft	295
Poser, S., s. Eickhoff, K., et al.	207
Reill, P., s. Stöhr, M., et al.	281
Reulen, H. J., s. Bohl, J., et al.	289
Ricker, K., Hertel, G.: Electrophysiological Findings in the Syndrome of Acute Ocular Muscle Palsy with Ataxia (Fisher Syndrome)	35
Ricker, K., s. Hertel, G., et al.	257
Ritter, G., s. Heipertz, R., et al.	153
Schindler, E., s. Bohl, J., et al.	289
Schlenska, G. K.: Neurological Complications Following Rabies Duck Embryo Vaccina- tion	71
Schultze, B., s. Dommasch, D., et al.	97
Smith, B. M., s. Field, E. J., et al.	113
Schmitt, H. P.: Splitting of Target Fibers: Myopathic Signs in Denervation Phenomena	159
Schumm, F., s. Stöhr, M., et al.	281
Soffer, D., Alter, M., Kahana, E., Yaar, I.: Aseptic Meningitis: Frequency among Israeli Ethnic Groups	89
Stoltenburg, G., s. Altenkirch, H., et al.	137
Stöhr, M., Schumm, F., Reill, P.: Retrograde Changes in Motor and Sensory Conduction Velocity after Nerve Injury	281
Tosi, C., Jerusalem, F.: Selektive Muskelfasertypomanalien bei neuromuskulären Er- krankungen. Eine Analyse von 124 konsekutiven histochemisch bearbeiteten Biopsien	13
Vasilescu, C., Florescu, A.: Motor and Sensory Conduction Velocity in Charcot-Marie- Tooth Disease	305
Wehmeyer, W., s. Dreyer, R.	163
Werner, H., s. Jenssen, H. L., et al.	45
Wikström, J., s. Eickhoff, K., et al.	207
Yaar, I., s. Soffer, D., et al.	89
Zala, L., s. Beringer, U., et al.	217
Forthcoming Meetings	239

Index of the Key words

- Abductor-opponens agenesis hereditary 235
Aneurysm dissecting 295
—, vertebral 289
Abdominal hemorrhage 295
Alzheimer's disease 195
Aphasia, global 75
- Blood brain barrier 207
Brain 229
Brain tumors 241
2-butanone 137
- Carcinogenesis 241
Cardiac dysrhythmia 301
Carnitine deficiency 1
Cell membrane 61
Cell proliferation in CSF 97
Cellular immunity 45
Cephalic tetanus 251
Cerebral hemorrhage 195
Cerebrospinal fluid 45
— — cells 97
— — in MS 207
Cerebrovascular amyloidosis 195
Charcot-Marie-Tooth disease 305
Chiroptera 225
Classification/Grading/Chemotherapy of
 brain tumors 241
Clinical syndrome 75
Computed tomography 229
Conduction velocity 35
Congenital muscular defects 235
Congophilic angiopathy 195
Cranial neuropathy 71
Curare test 257
Cyclophosphamide and Immunotherapy 173
- Dementia 217
— senile 195
Denervation atrophy 159
Duchenne dystrophy 61
- EMG 267
Epilepsy 163
Erythrocyte ghosts 61
Erythrocytenmobilitätstest 113
Ethnic frequency 89
- Fiber splitting 159
Fisher syndrome 35
Fits of laughter 163
- Gas liquid chromatography 153
Glue thinner 137
Grouping of muscle fibers 13
Guillain-Barré syndrome 35, 295
- Heart block 301
3H-thymidine autoradiography 97
Hypothalamus 163
- Ichthyosis 217
Immunoglobulins 207
Inborn expression movement 163
Incidence age-specific 89
- Juvenile stroke 295
- Linoleic acids 153
Lipid storage myopathy 1
Lymphokine 45
- Macrophage electrophoretic mobility test 45
Malabsorption 183
Medullary compression syndrome 289
Meningitis 97
— aseptic 89
Meningoencephalitis 89
Metastases, cystic 229
Metastatic disease 229
Methyl-ethyl-ketone (MEK) 137
Morphological data 137
Motor conduction 305
Multiple sclerosis 45, 153, 173, 207
— — test 113
Muscle fiber atrophy and hypertrophy
 selective 13
— — type anomalies 13
— histology of 129
— pathology 129
— voluntary 159
M. retroauricularis 225
Myasthenia gravis 257
Myelopathy 71
Myopathy 159
— metabolic 1
— treatment 1
Myotonia 61
— congenita 301
- (Na⁺+K⁺) ATPase 61
Neoplastic meningitis 97
Nerve biopsy 137
— conduction studies 267, 281
— lesions, traumatic 281
— transplantation 281

- Neurolinguistic aspects 75
Neuromuscular transmission, testing 257
Neurooncology 241
Neuropathy 183, 267
— peripheral 71
n-hexane 137
- Oculoauricular phenomenon 225
Ophthalmo-Mimic 225
Ophthalmoplegia 35
Ouabain response 61
- Partial seizures complex 163
Pattex 137
Polymyositis, perifascicular atrophy 129
Polyneuropathy 137
Porphyria, acute intermittent 267
Preponderance of a muscle fiber type 13
- Rabies vaccination 71
Retrograde changes in nerve lesions 281
- Sensory conduction 305
Serum fatty acids 153
Sjögren-Larsson-Syndrome 217
Sniffer's neuropathy 137
Somatosensory evoked potential 35
Spasticity 217
- Target fibers 159
Thenar atrophy partial 235
Thomsen's disease 301
Triglycerides 1
- Vascular disorder 295
Vertebral artery aneurysms bilateral 289
Vibration sense 35
Vitamin B₁₂ 183
Vitamin deficiency 183

Notes on Preparation of Illustrations

Selection of illustration material: In order to obtain the best results in reproduction, to avoid delays during production and hence unnecessary costs, we ask authors to note the following points when selecting and preparing illustration copy.

1. Half-tones (photographs, photomicrographs, X-rays, instrument traces etc.)

- Send only good, well-contrasted glossy prints of the original negative; prints should be trimmed at right angles; send contact copies of X-rays — if these are not available, the actual X-ray films.
- Mark or trim off marginal portions which are not required (at right angles, please).
- State scale of reduction, if any, with due allowance for the format of the printed page (print area).
- Group figures into whole-page plates; see that they match in the proposed scale of reduction.
- With X-rays, in particular, mark the significant portions on the back of the copy, or on a cover sheet.
- Enter inscriptions, marker lines etc. neatly and in the appropriate size, either on the photograph itself or on a cover sheet.

2. Line drawings

- State final size of illustration, with due allowance for print area.
- The ideal is for drawings to be twice the final size and executed in indelible black ink.

Important points to note: thickness of lines, size of inscriptions, size of measuring points, adequate spacing of shaded and dotted areas.

Words should be in upper and lower case characters (not block capitals).

Example showing the effect of reduction $\times \frac{1}{2}$.

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyzß
1234567890
(!:"'+=-_x?%)

ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyzß
1234567890
(!:"'+=-_x?%)

Some more examples see overleaf

